

SEQUENCE LISTING

(1) GENERAL INFORMATION:

(i) APPLICANT: Philip Dan Cook

(ii) TITLE OF INVENTION: Gapped 2' Modified Olig nuc-  
5 leotides

(iii) NUMBER OF SEQUENCES: 10

(iv) CORRESPONDENCE ADDRESS:

(A) ADDRESSEE:  
Woodcock Washburn Kurtz Mackiewicz & Norris

10 (B) STREET: One Liberty Place - 46th Floor

(C) CITY: Philadelphia

(D) STATE: PA

(E) COUNTRY: USA

(F) ZIP: 19103

15 (v) COMPUTER READABLE FORM:

(A) MEDIUM TYPE: DISKETTE, 3.5 INCH, 1.44 Mb

STORAGE

(B) COMPUTER: IBM PS/2

(C) OPERATING SYSTEM: PC-DOS

20 (D) SOFTWARE: WORDPERFECT 5.0

(vi) CURRENT APPLICATION DATA:

(A) APPLICATION NUMBER: n/a

(B) FILING DATE: herewith

(C) CLASSIFICATION:

25 (vii) PRIOR APPLICATION DATA:

(A) APPLICATION NUMBER:

(B) FILING DATE:

(viii) ATTORNEY/AGENT INFORMATION:

(A) NAME: John W. Caldwell

30 (B) REGISTRATION NUMBER: 28,937

(C) REFERENCE/DOCKET NUMBER: ISIS-0459

(ix) TELECOMMUNICATION INFORMATION:

(A) TELEPHONE: (215) 568-3100

(B) TELEFAX: (215) 568-3439

35 (2) INFORMATION FOR SEQ ID NO: 1:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 17  
(B) TYPE: nucleic acid  
(C) STRANDEDNESS: single  
(D) TOPOLOGY: linear

5 (iv) ANTI-SENSE: yes  
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:  
CCACACCGAC GGCGCCC17

(2) INFORMATION FOR SEQ ID NO: 2:

(i) SEQUENCE CHARACTERISTICS:

10 (A) LENGTH: 17  
(B) TYPE: nucleic acid  
(C) STRANDEDNESS: single  
(D) TOPOLOGY: linear

(iv) ANTI-SENSE: yes

15 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:  
CCACACCGAC GGCGCCC17

(2) INFORMATION FOR SEQ ID NO: 3:

(i) SEQUENCE CHARACTERISTICS:

20 (A) LENGTH: 17  
(B) TYPE: nucleic acid  
(C) STRANDEDNESS: single  
(D) TOPOLOGY: linear

(iv) ANTI-SENSE: yes

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:

25 CCACACCGAC GGCGCCC17

(2) INFORMATION FOR SEQ ID NO: 4:

(i) SEQUENCE CHARACTERISTICS:

30 (A) LENGTH: 17  
(B) TYPE: nucleic acid  
(C) STRANDEDNESS: single  
(D) TOPOLOGY: linear

(iv) ANTI-SENSE: yes

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4:  
CCACACCGAC GGCGCCC17

35 (2) INFORMATION FOR SEQ ID NO: 5:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 17  
(B) TYPE: nucleic acid  
(C) STRANDEDNESS: single  
(D) TOPOLOGY: linear

5 (iv) ANTI-SENSE: yes  
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5:  
CCACACCGAC GGCGCCC17

(2) INFORMATION FOR SEQ ID NO: 6:

(i) SEQUENCE CHARACTERISTICS:

10 (A) LENGTH: 17  
(B) TYPE: nucleic acid  
(C) STRANDEDNESS: single  
(D) TOPOLOGY: linear

(iv) ANTI-SENSE: yes

15 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6:  
CCACACCGAC GGCGCCC17

(2) INFORMATION FOR SEQ ID NO: 7:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 47

20 (B) TYPE: nucleic acid  
(C) STRANDEDNESS: single  
(D) TOPOLOGY: linear

(iv) ANTI-SENSE: no

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7:  
25 ACATTATGCT AGCTTTTGA GTAACTTGT GGGGCAGGAG ACCCTGT47

(2) INFORMATION FOR SEQ ID NO: 8:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 29

30 (B) TYPE: nucleic acid  
(C) STRANDEDNESS: single  
(D) TOPOLOGY: linear

(iv) ANTI-SENSE: no

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 8:  
GAGATCTGAA GCTTCTGGAT GGTCAGCGC29

35 (2) INFORMATION FOR SEQ ID NO: 9:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 35

(B) TYPE: nucleic acid  
(C) STRANDEDNESS: single  
(D) TOPOLOGY: linear  
(iv) ANTI-SENSE: no  
5 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 9:  
GAGATCTGAA GCTTGAAGAC GCCAAAAACA TAAAG35  
(2) INFORMATION FOR SEQ ID NO: 10:  
(i) SEQUENCE CHARACTERISTICS:  
(A) LENGTH: 33  
10 (B) TYPE: nucleic acid  
(C) STRANDEDNESS: single  
(D) TOPOLOGY: linear  
(iv) ANTI-SENSE: no  
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 10:  
15 ACGCATCTGG CGCGCCGATA CCGTCGACCT CGA33  
(2) INFORMATION FOR SEQ ID NO: 11:  
(i) SEQUENCE CHARACTERISTICS:  
(A) LENGTH: 16  
(B) TYPE: nucleic acid  
20 (C) STRANDEDNESS: single  
(D) TOPOLOGY: linear  
(iv) ANTI-SENSE: yes  
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 11:  
GCGTTTTTTTTTTTGC16  
25 (2) INFORMATION FOR SEQ ID NO: 12:  
(i) SEQUENCE CHARACTERISTICS:  
(A) LENGTH: 16  
(B) TYPE: nucleic acid  
(C) STRANDEDNESS: single  
30 (D) TOPOLOGY: linear  
(iv) ANTI-SENSE: yes  
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 12:  
CGCAAAAAAAAAACGC16